

L Number	Hits	Search Text	DB	Time stamp
-	2	((("4990997") or ("5739579")).PN.	USPAT	2001/12/27 11:43
-	3927	((438/637) or (438/653) or (438/656) or (438/687) or (438/688) or (438/720)).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/06/25 10:29
-	1044	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer)	USPAT	2003/06/25 10:29
-	442	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen	USPAT	2002/01/07 07:58
-	285	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd	USPAT	2002/01/04 14:48
-	343	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd)	USPAT	2002/01/04 14:49
-	236	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))	USPAT	2002/01/04 14:54
-	152	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))) and copper	USPAT	2002/01/04 14:54
-	138	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))) and copper) and @ad<=20000208	USPAT	2002/01/07 07:55
-	2	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))) and copper) and @ad<=20000208) and (promoting adj layer)	USPAT	2002/01/04 14:59
-	7	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))) and copper) and @ad<=20000208) and (metal with promoting)	USPAT	2002/01/04 15:00
-	7	((((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and cvd) and (((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and (sputtering or pvd))) and copper) and @ad<=20000208) and (promoting with layer)	USPAT	2002/01/04 15:01
-	2586	((438/637) or (438/653) or (438/656) or (438/687) or (438/688) or (438/720)).CCLS.	USPAT	2002/01/07 07:57
-	684058	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and barrier layer	USPAT	2002/01/07 07:57
-	1044	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer)	USPAT	2002/01/07 07:57
-	442	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen	USPAT; US-PGPUB	2002/01/07 07:59

-	269	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and copper	USPAT; US-PGPUB	2002/01/07 07:59
-	10	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and copper) and (diffusion with stop)	USPAT; US-PGPUB	2002/01/07 08:06
-	31	("3844831"   "4242698"   "4367119"   "4386116"   "4451326"   "4600624"   "4789648"   "4792534"   "4808552"   "4944836"   "4948755"   "4956313"   "4966870"   "4992135"   "4999318"   "5000818"   "5010039"   "5055908"   "5117276"   "5122859"   "5143820"   "5209817"   "5219787"   "5244837"   "5277985"   "5300813"   "5308796"   "5310602"   "5340370"   "5371047"   "5612254").PN.	USPAT	2002/01/07 08:04
-	0	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and copper) and (elongation adj time)	USPAT; US-PGPUB	2002/01/07 08:09
-	10	(((((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720")).CCLS.) and (barrier adj layer) and oxygen) and copper) and (Ti-Si-N)	USPAT; US-PGPUB	2002/01/07 08:32
-	7	("5770520"   "5824599"   "5851367"   "5913144"   "5918150"   "5976928"   "6130161").PN.	USPAT	2002/01/07 08:12
-	7	("5770520"   "5824599"   "5851367"   "5913144"   "5918150"   "5976928"   "6130161").PN.	USPAT	2002/01/07 08:31
-	1	("5913144").PN.	USPAT	2002/01/07 08:35
-	24302	((438/???).ccls) and ((257/???).ccls)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/07 08:37
-	5813	((438/???).ccls) and ((257/???).ccls) and ((ti si n) and (oxygen o osub2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/07 10:50
-	1385	((438/???).ccls) and ((257/???).ccls) and ((ti si n) and (oxygen o osub2))) and (cu copper)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/07 11:34
-	99	((438/???).ccls) and ((257/???).ccls) and ((ti si n) and (oxygen o osub2))) and (diffusion with layer with (cu copper))	USPAT	2002/01/07 08:41
-	7	("5770520"   "5824599"   "5851367"   "5913144"   "5918150"   "5976928"   "6130161").PN.	USPAT	2002/01/07 09:32
-	1	("5652464").PN.	USPAT	2002/01/07 10:52
-	14	("4676866"   "4690730"   "4957590"   "4976839"   "5070036"   "5162262"   "5175126"   "5232871"   "5236869"   "5240880"   "5371042"   "5466629"   "5514908"   "5552341").PN.	USPAT USPAT	2002/01/07 10:52
-	3	("4674176"   "4829363"   "4897709").PN.	USPAT	2002/01/07 11:17
-	10	((438/???).ccls) and ((257/???).ccls) and ((ti si n) and (oxygen o osub2))) and (cu copper) and (oxygenation or (oxygen adj stuffing))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/01/07 11:36
-	4	((("4970568") or ("5989988") or ("6090702") or ("5736192")).PN.	USPAT	2002/01/07 14:20
-	2	("4990997"   "5070036").PN.	USPAT	2002/01/07 14:07
-	2	((opening or trench) with (insulating or insulator)) and (oxygen with layer with concentration)	EPO; JPO	2002/01/07 14:23
-	2	((opening or trench) with (insulating or insulator)) and (oxygen with layer with concentration)) and (concentration with (low or high))	EPO; JPO	2002/01/08 07:16
-	1	("4990997").PN.	USPAT	2002/01/08 09:01
-	22	4990997.URPN.	USPAT	2002/01/08 07:16

-	22	("3637320"   "3807008"   "4035541"   "4497874"   "4830886"   "4960732"   "4990997"   "5001531"   "5049975"   "5087593"   "5132756"   "5139825"   "5178911"   "5192589"   "5246881"   "5384289"   "5496762"   "5536947"   "5571572"   "5723382"   "5893758"   "6081034").PN.	USPAT	2002/01/08 07:26
-	2	((("4990997" or ("5652464"))).PN.	USPAT	2002/01/08 09:01
-	1426	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.	USPAT; US-PGPUB; EPO; JPO	2002/11/04 11:10
-	638	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 07:31
-	117	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and oxygen	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/04 11:12
-	49	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and oxygen) and ((barrier or seed) with (oxygen oxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/04 11:13
-	5	("4931410"   "5124780"   "5444018"   "5462895"   "5470789").PN.	USPAT	2002/11/04 13:00
-	1326	((("438/637" or ("438/653" or ("438/656" or ("438/687" or ("438/688" or ("438/720"))).CCLS.) and (barrier adj layer)	USPAT	2002/11/06 07:31
-	639	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 07:31
-	92	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and ((tungsten tantalum) with nitride)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 08:48
-	23	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and ((tungsten tantalum) adj nitride)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 07:35
-	2	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and ((aluminum adj oxide) "al.sub.2o.sub.3") with barrier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 07:55
-	20	((438/627) or (438/628) or (438/643) or (438/644)).CCLS.) and @ad<=19950705) and ((aluminum adj oxide) "al.sub.2o.sub.3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 08:00
-	168	(438/\$.ccls.) and (((aluminum adj oxide) "al.sub.2o.sub.3") with barrier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 08:01
-	39	((438/\$.ccls.) and (((aluminum adj oxide) "al.sub.2o.sub.3") with barrier)) and @ad<=19950705	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 08:01

-	17	(438/\$.ccls.) and ((tantalum adj nitride) with barrier) and @ad<=19950705	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 08:49
-	8	((("5612254") or ("4910169") or ("5552341") or ("5070036"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 09:27
-	169	fringing with capacitor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/06 13:28
-	5335	((438/637) or (438/653) or (438/656) or (438/687) or (438/688) or (438/720)).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/06/25 10:29
-	1546	((("438/637") or ("438/653") or ("438/656") or ("438/687") or ("438/688") or ("438/720"))).CCLS.) and (barrier adj layer)	USPAT	2003/06/25 10:30
-	26	((("438/637") or (438/653) or (438/656) or (438/687) or (438/688) or (438/720)).CCLS.) and (oxidized) with (titanium adj nitride)	USPAT; US-PGPUB	2003/06/25 10:33
-	5	((("438/637") or (438/653) or (438/656) or (438/687) or (438/688) or (438/720)).CCLS.) and cvd with (titanium adj nitride) with (oxidized (oxygen with concentration) oxidizing)	USPAT; US-PGPUB	2003/06/25 10:34